

Figure 1(a)

(b)

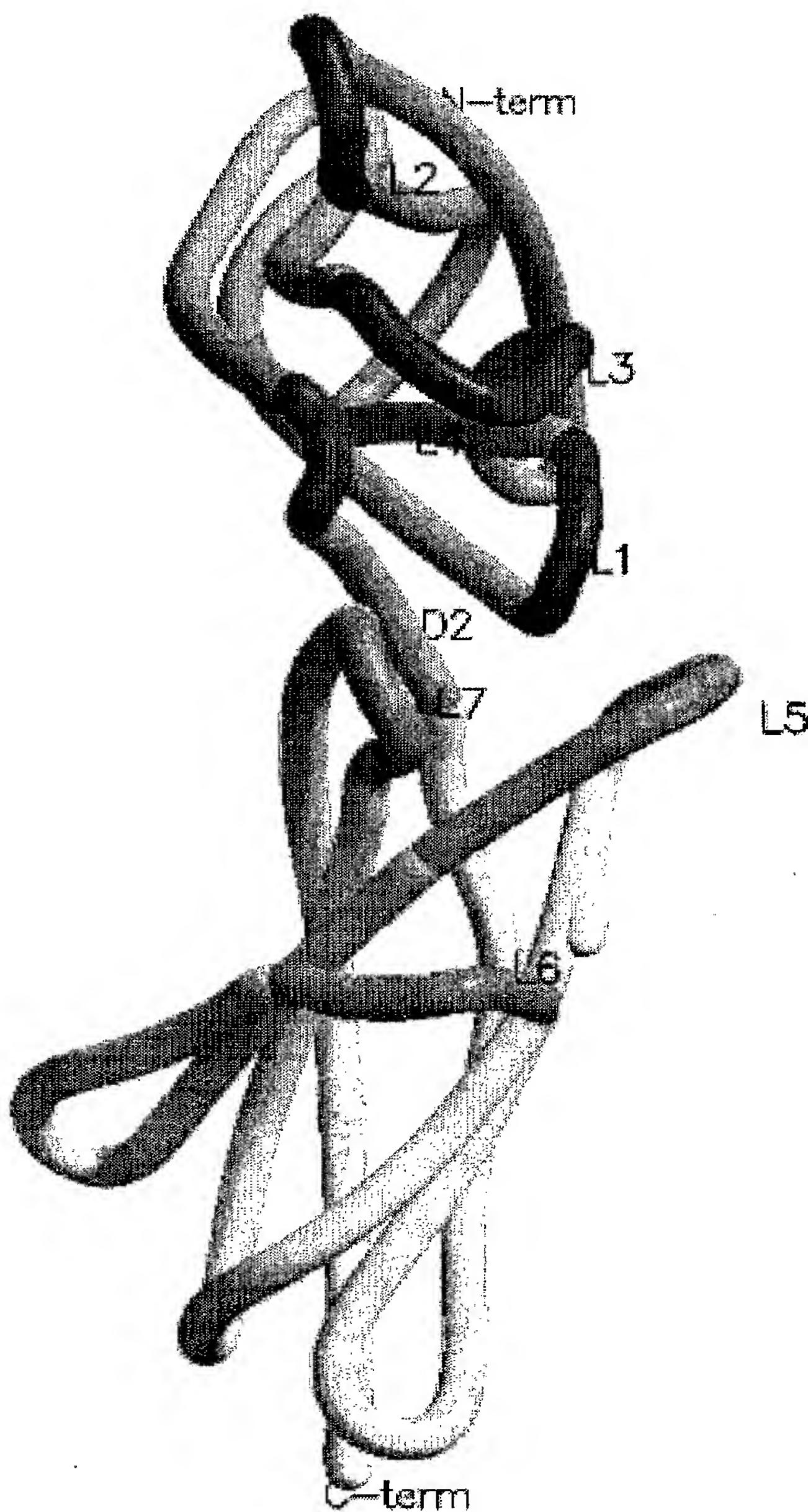


Figure 1(b)

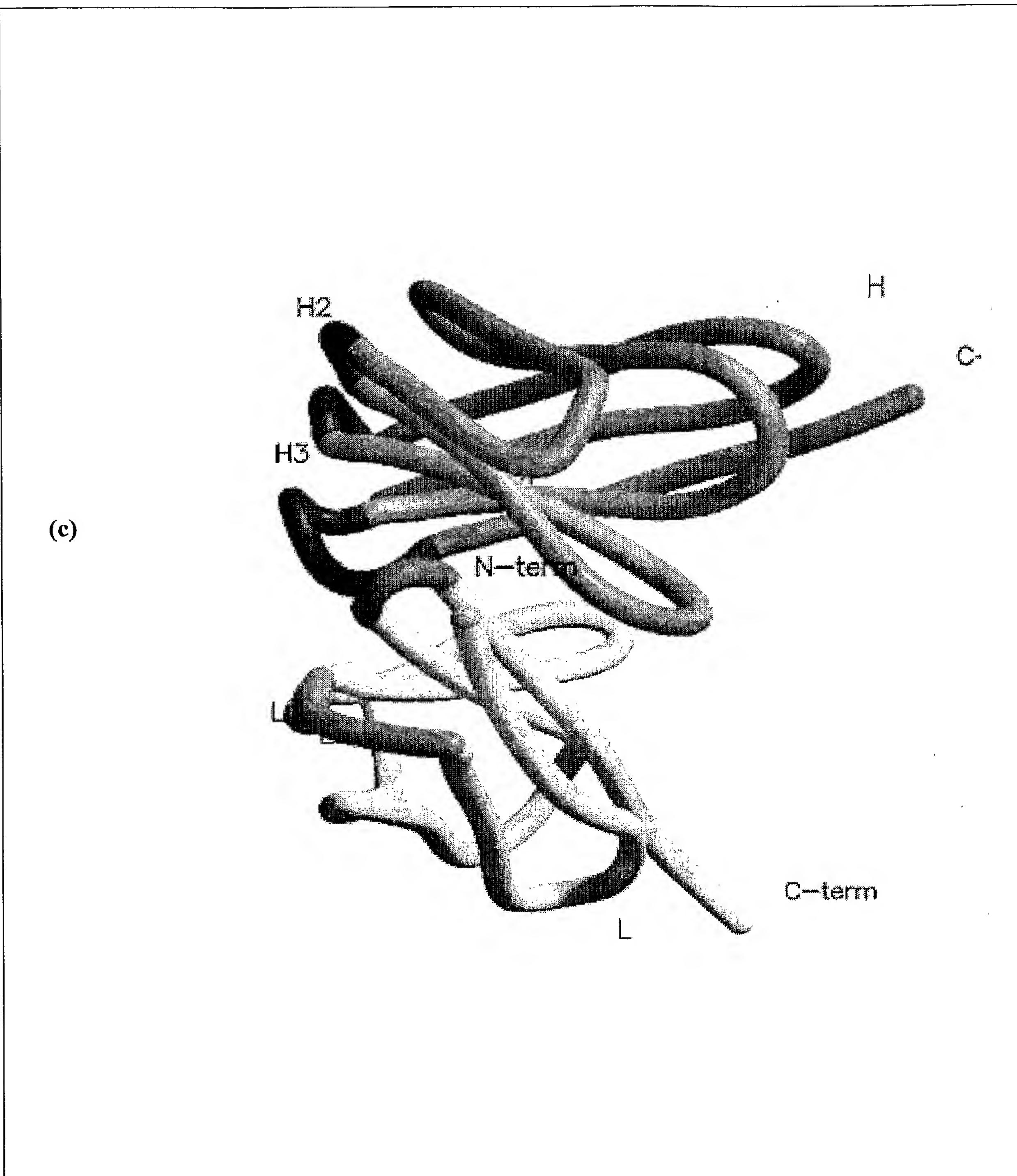


Figure 1(c)

(d)

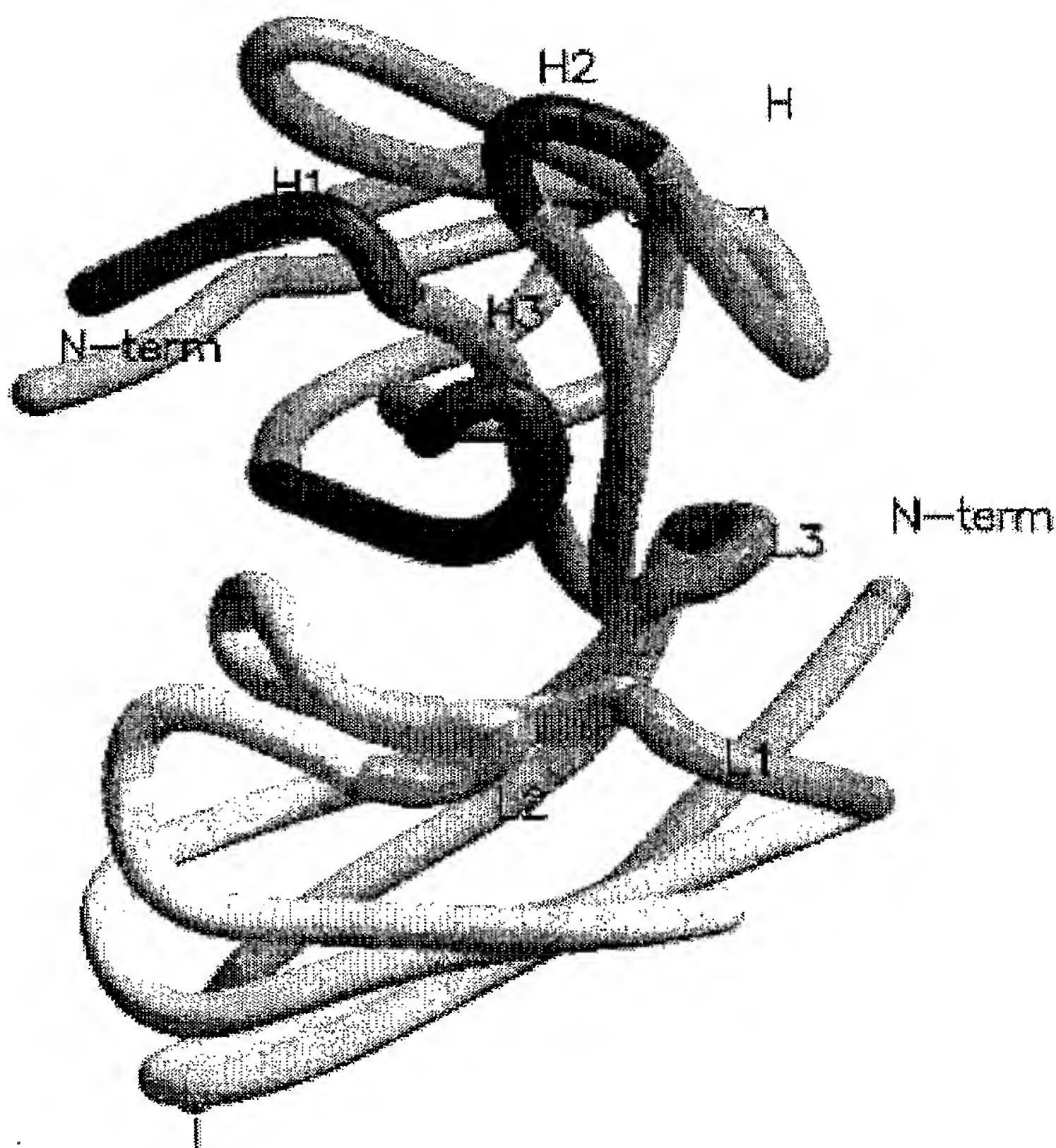


Figure 1(d)

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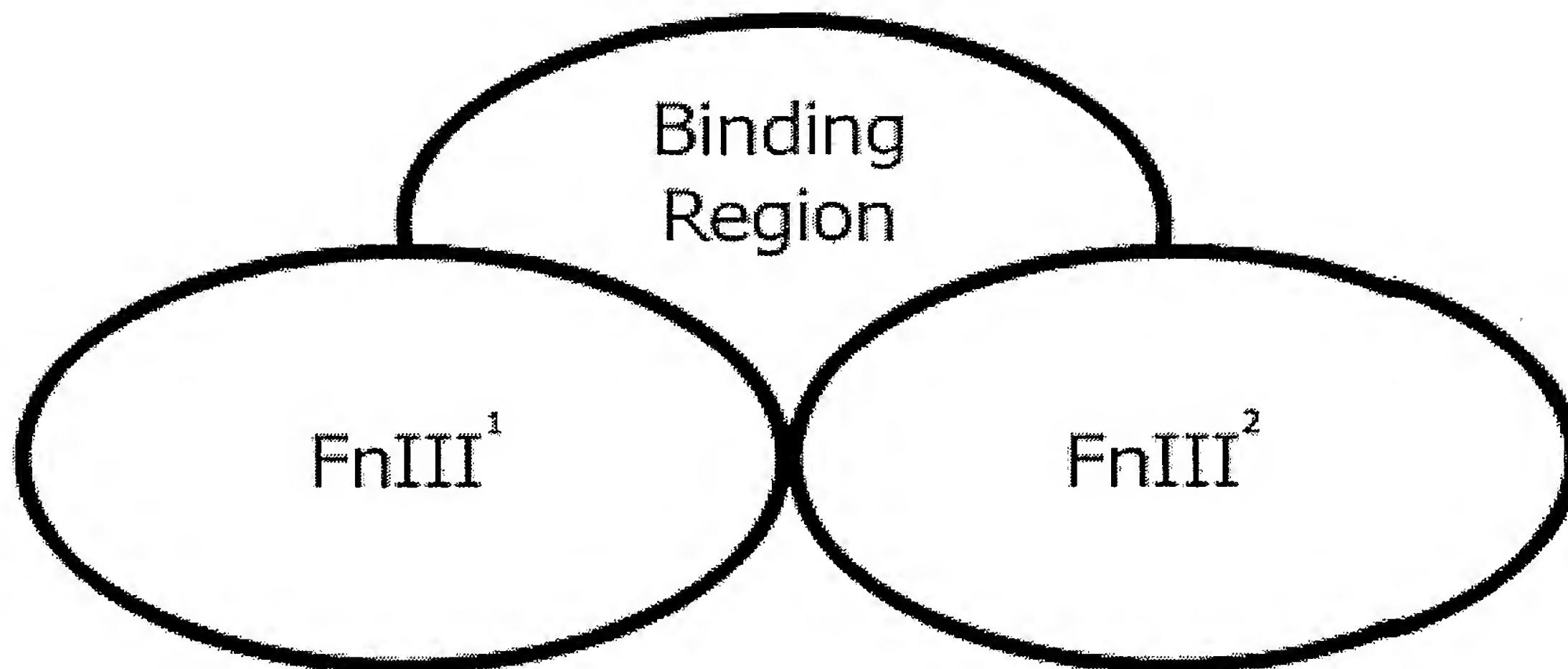
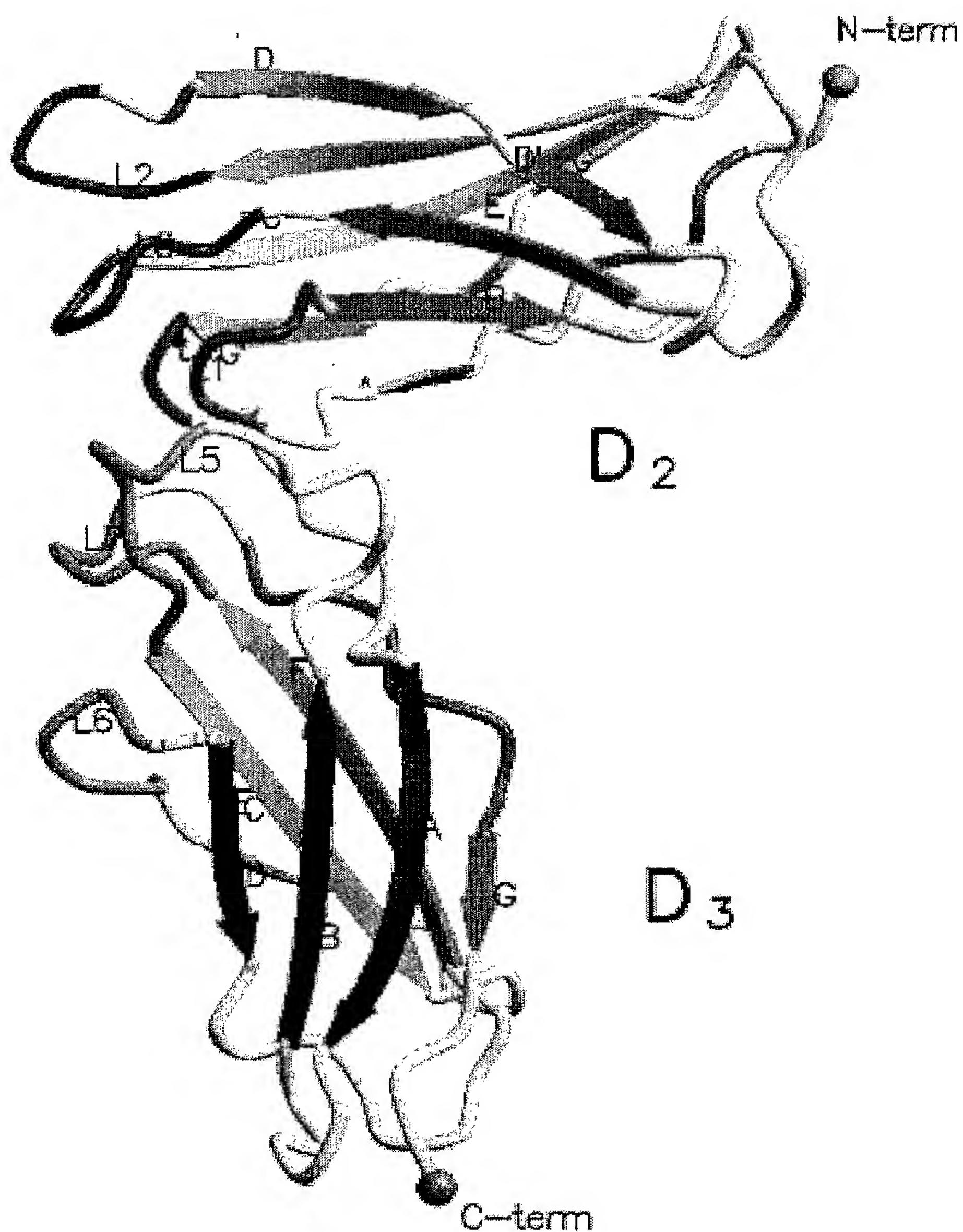


Figure 1A

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**Figure 2(a)**

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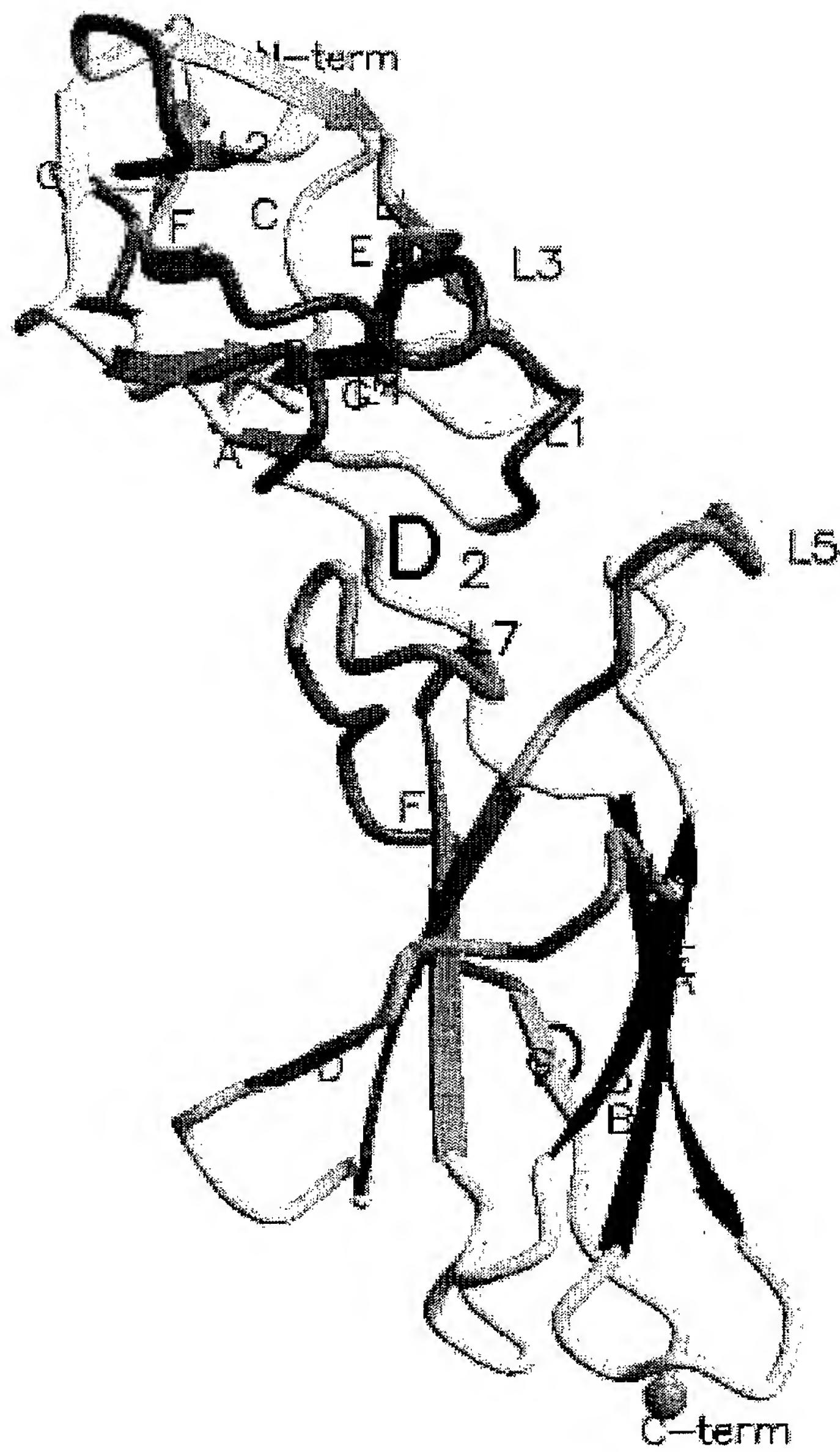


Figure 2(b)

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10	20	30	40	50
LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS				
60	70	80	90	100
HPSRWAGMGR RLLLRSVQLH DSGNYSCYRA GRPAGTVHLL VDVPPEEPQLS				
██████████				
A#				
110	120	130	140	150
CFRKSPLSNV VCEWGPRTSP SLTTKAVLLV RKFQNNSPAED FQEPCQYSQE				
██████████				
# #	B #####	C #####	D, D'	# #####
*****		*****		*****
L1		L2		
160	170	180	190	200
SQKFSCQLAV PEGDSSFYIV SMCVASSVGS KFSKTQTFQG CGILQPDPPA				
██████████				
E #####	F #####	G #####	G' #####	A#
*****	*****	*****	*****	*****
L3		L4		
210	220	230	240	250
NITVTAVARN PRWLSVTWQD PHSWNSSFYR LRFELRYRAE RSKTFTTWMV				
██████████				
#####	B #####	C #####	D #####	
*****	*****	*****	**	
L5				
260	270	280	290	300
KDLQHHCVIH DAWSGLRHVV QLRAQEEFGQ GEWSEWSPEA MGTPWTESRS				
██████████				
E #####	F #####	G #####		
****	****	****		
L6		L7		
310	320			
PPAENEVSTP MQALTTNKDD DNIL				

beta sheets; * loops; █████ first domain (D2); □□□□ second domain (D3)

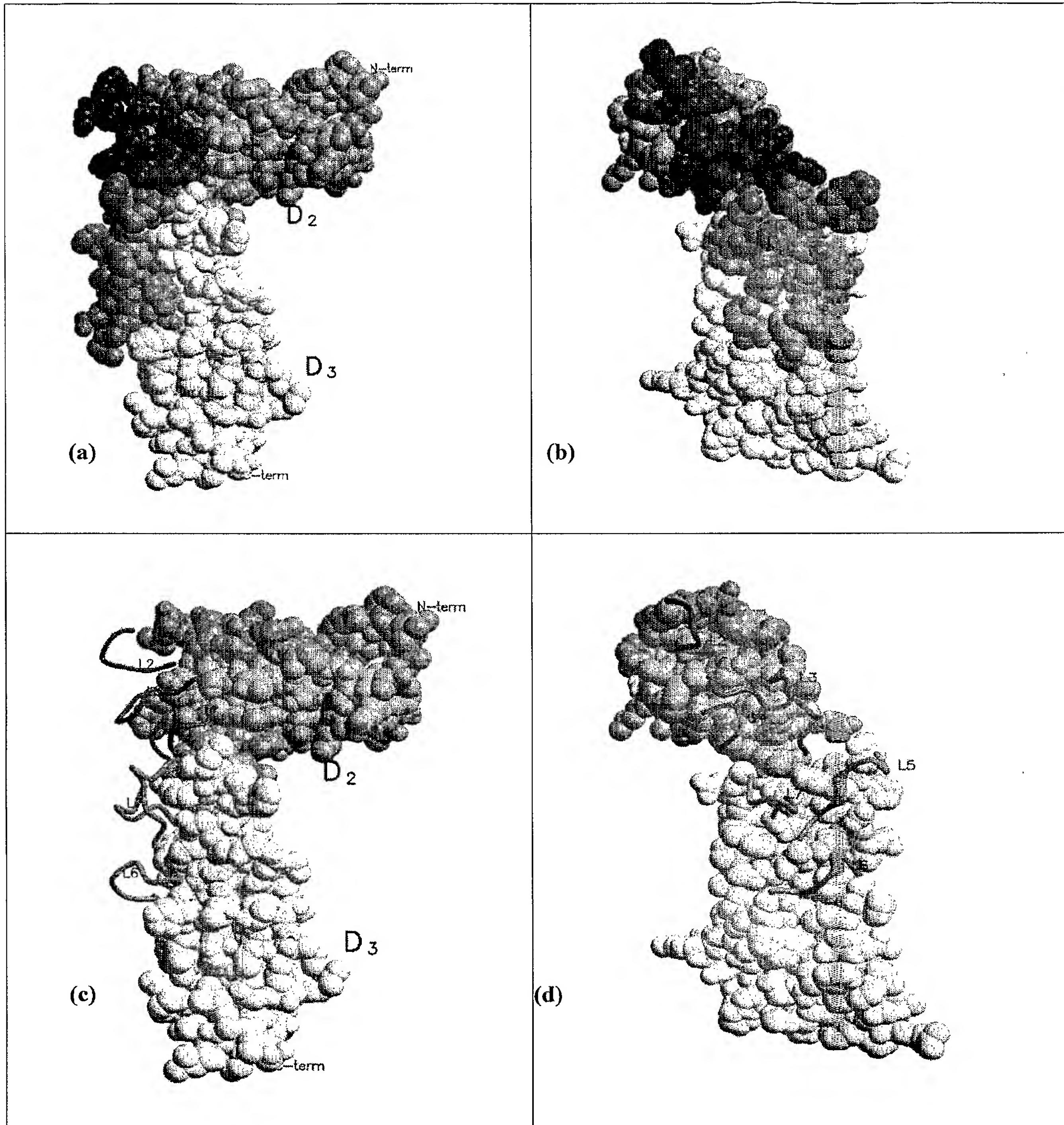
Figure 3

Approximate positioning of each loop in four of the cytokine receptor family members. The loop positions could vary up to 3 amino acids either side of the box. For example Loop 6 of the prolactin receptor is defined as GQQTEF and not FAQQ as depicted here.

IL6RPRLRL P08887 IL6A_HUMAN Q14626 I11R_HUMAN P16471 PRLR_HUMAN Q99062 GCSR_HUMAN	----- LHDGNYS CY -RAGR PAGTVHLLV VPPEEPQ-LSCFRK SPLS NVVCEWGPRSTPSLTTK STDEGTYICQTLDGALGGT VTLQL YPPARPV-VSCQAADY-ENFSCTWS PSQISGLPTR MKENVASATVFT LLLFLNTCLLNG LPPGKPEIFKCRSPNK-ET FTCWWRPGBT DGGLPTN -AFLSCCLNWGN SLQILDQVELRA YPPAI PHNLSCLMNLTSS LICQWE PGPETHLPT S
IL6RPRLRL P08887 IL6A_HUMAN Q14626 I11R_HUMAN P16471 PRLR_HUMAN Q99062 GCSR_HUMAN	AVLLVH RE -----GETLMFQEPCQYSQESQKF SCHFGKQYTSMWR TYIVSMSVASS AVLLVRKFQ N -----SPAEDFQEPCQYSQESQKF SCQLAVPEGD -SSFYIVSMCVASS YLTSYRK KTVLGADSQRSP STGPWPCPQD-PLGAARC VVHGAEFW --SQYRINVTEVNP YSLTYH RE -----GETLMHECPDYITGGPNS CHFGKQYTSMWR TYIMMVNATNQ FTLKSF KS RNC-----QTQGDSI LD DCVPK-DGQSHCC I PRKH LLLYQ NMG I WVQAENAL L2 L3
IL6RPRLRL P08887 IL6A_HUMAN Q14626 I11R_HUMAN P16471 PRLR_HUMAN Q99062 GCSR_HUMAN	VGSKFSDEL YDV T Y ILQPD PPAN ITVTAVA-RNPR---WLSVTWQDPHLI DL K-TGWFT VGSKFSKTQ TFQ GCG I ILQPD PPAN ITVTAVA-RNPR---WLSVTWQDPHSWNSS---FYR -LGASTRLLDV SLQS ILRPD PPQGLR VE SVP -GYPR---RLRASWT YPAS WPCQ--PHFL MGSSFSDEL YDV T Y IVQPD PPLE LAVEVKQ-PEDR-KPYLWIKWS PPTL I DL K-TGWFT GTSMS PQTL CDPMD VVK LE PPML RTMDP SPEA APPQAGCLQLCWE WPQPGI HINOKCEL L4 L5
IL6RPRLRL P08887 IL6A_HUMAN Q14626 I11R_HUMAN P16471 PRLR_HUMAN Q99062 GCSR_HUMAN	LR FELRYRAERSK TFTW FAG-QQHHSVI HD AWSGLRHVVQLRA KPD--HGYWSEWSPEA LR FELRYRAERSK TFTW MVKDLQHHCVI HD AWSGLRHVVQLRA QEEFGQGEWSEWSPEA LK FRLQYRPAQHPAWSTVE PAG--LEE VITDAVAGLPHAVRVSARDFLDAGTWSTWSPEA LLYEIRLKPEKAAWEI HFA Q O TEFK I LSLHPGQ KYLVQVRCK KPD--HGYWSAWSPAT RH KPQRGEASWALVG GPL PLEAL-QYELCGLLP --ATAYTLQIRC IRWPLPGHWSDWPSL L6 L7
IL6RPRLRL P08887 IL6A_HUMAN Q14626 I11R_HUMAN P16471 PRLR_HUMAN Q99062 GCSR_HUMAN	MGTPWTE ----- MGTPWTE RSPPAENEVST-----PMQALTTN---KDDDNILFRDSANATS LPVQ WGTPSTG IPKEIPAWGQL-----HTQPEVEP---QVDS PAPP PRPSLQPHPR LLD FIQIPSD TMNDTTW WISVA V SAVICLI IIVWAVALKGYS MVTCI FPPVPGPKIKGFD AH ELRTTER PT VRLDTWW RQR-QLDPRTVQLFWKP VPLEEDSGRIQGYVVS-WRPSGQAGA

Figure 3A

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**Figure 4**

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mGCSF_122-334	YDPEAS	-SN-	SCGMHL	TNSIEVGCDEGGETHL
hGCSF_121-333	YDPEAS	-HN-	SCGMNL	TSSSLICOEGGEETHL
hcommBR_26-240	ETIP	-QOTI	RCENDY	MSHATCRADTODAQR
mcommBR_30-243	ETVE	-RKT	QCENDY	TRHETIOSADTEDAQ
mIL3BR_30-244	ETV	-RKT	ECENDY	UNRGICSHADTEDAQ
hcommBR_240-439	GDEAQ	-QM	ECEFDG	SAVESCHSKEKREVAS
mcommBR_243-442	EDKAQ	-QON	QCIFDG	KOSCHCSEGWQOTTC
mIL3BR_244-441	EDKAQ	-QON	QCIFDG	KOSCHCSEGWQOTTC
hgp130_124-325	LPEKE	-KN	SCIVNE	KKKIRCENDGRETHL
mgp130_124-323	FREDKP	-TN	TCEVNE	SKNLLQGNDGRETYL
hGHR_46-262	NSSKEP	-K	TKCRSRE	RETSCQHTDEVHHGCK
mH_GHR_46-271	SSSSKE	-R	TKCRSRE	NETSCQYNTEDDNPDLK
mIL12p40_122-328	EAKNKTF	-	RCEAKN	NSGRCTCWBLETISTDL
mIL12p40_119-332	NFKNKTF	-	KCEAKN	NSGRCTCWSLYORNMDL
hEPOR_39-247	AAPLAKRQ	-EE	LCOTER	EDUVCFEEAASAGVG
mEPOR_39-246	AAPLRSQS	-EE	LCOTOR	EDUVCFEEAASSGM
hIL6R_112-317	VPEEEW	-Q	SCERKS	ESNVGCEGHRSTHSI
mIL6R_108-313	VEPEEE	-K	SCERKN	EVNPIGESSSTPSK
hIL4R_24-224	LNMKVQES	-	TCSISDY	HSISTCEKKNNGPTNC
mIL4R_24-225	GSIKVQES	-	TCSISDY	IRTSTCEFEDSAVDC
hPRLR_24-229	GOLPQK	-EE	PKCRSPN	RETCTCWREGTDGGL
mPRLR_19-224	GQSPPGK	-E	HKCRSD	RETCTCWREGTDGGL
hCRLF1_133-342	LPPEKP	-VN	SWSRN	TKDTCRTEGAHGETF
mCRLF1_136-345	LPPEKP	-FN	SWSRN	TKDTCRTEGAHGETF
hIL12B2R_122-320	VHEEOB	-QNE	SCOTOK	EOGSTAGTERGRDTHLY
mIL12B2R_135-336	VAPEEP	-QNE	SCOTOK	EVUTAACSHNSGKVTLK
hIL11R_111-318	YEPARP	-V	SCQAAD	ENNSCTSPSQISQL
mIL11RA1_111-318	FPPARP	-E	SCQAVD	ENNSCTSPCOVSQL
mIL11RA2_111-318	FPPARP	-E	SCQAVD	ENNSCTSPCOVSQL
hCNTFR_107-317	LPPEEP	-V	SCRSNT	TKCYCSPHETTYI
mCNTFR_107-317	LPPEEP	-V	SCRSNT	TKCYCSPHETTYI
hCR_23-229	GPAPATL	-R	QCRAZR	TAACDCSHTPAPRNST
mCR_23-228	AVVAVSOS	-R	QCRAZR	TAACDCSHTPAPRNST
bthromboR_27-285	DMSLADSE	-	KCSRT	EDUTCFDEEEAAMS
mthromboR_27-277	DMSLADSE	-	KCSRT	EDUTCFDEEEAAMS
hleptinR_429-638	DENINT	-	SCETD	TKTCRSTSTIQSLA
mleptinR_427-636	DENINT	-	SCETD	TKTCRSTSTIQSLA
hleptinR_124-332	DENWN	-	QCILKG	DKKLICYMESLFKNLFRN
mleptinR_124-330	CNWDE	-	ECIMKQ	DTLICLCHMEPLPKNEFKN
hIL21R_17-229	GWGCLD	-	VCETDY	EQTYLCIGEMWNLHPS
mIL21R_17-229	AWSCLD	-	TCETDY	EWTHTCVTSRSENES
hthromboR_285-490	WLG	-	QCITLD	IKNTCCQOQODHASSQ
mthromboR_277-481	WLG	-	QCITLD	IKMTCCQOQODRTSSQ
hwax1_34-232	GSPCP	-QCGVG	GDINGCSHPLCDLGAE	
mwax1_29-226	GSEGP	-QCGVG	GDINGCSHPLCDLGAE	
hIL2BR_30-235	ITSO	-TCYNS	RANESCVNSODCALQDT	
mIL2BR_30-236	NCSH	-ECYNS	RANGSCMISNEEALNVT	
hIL9R_48-261	CDRSR	-TCTTN	ALRDCDHISAEELDQG	
mIL9R_47-261	CDRSR	-TCTTN	ALRDCDHISAEELDQG	
hIL12B1R_42-234	GNSGP	-RDI	RCMRS	YRFDGCHMSPELQOE
mIL12B1R_43-256	GSPGP	-RDI	RCMRS	YRFDGCHMSPELQOE
hIL13AIR_123-337	CDRES	-RTE	SCMRVS	KTDTECSMQVDGQEDN
mIL13AIR_121-333	CDRES	-RTE	OCWHN	LSYMKCQILEGRNTSN
hIL13A2R_134-333	CDTETR	-ODYYN	CDTETR	SYEYLCSKKGIGIVLLD
mIL13A2R_128-327	GSZETKQD	-KCIYNN	WQYVCSCIKVKTVYS	
hIL5R_123-332	DSPTSVN	-TCTNT	TDNSRERSQVSEHOTL	TDATED
mIL5R_120-329	DSPTSVN	-TCTNT	TDNSRERSQVSEHOTL	TDATED
hGMCsFR_115-348	CREYV	-QNA	SCETYN	DLNCTWRCRTPAHD
mGMCsFR_124-352	ESTAG	-MNT	TCEIR	DRFUSCAHRCRPAHD
hIL3R_100-292	SEKWA	-GEN	TCTIND	DRFUSCAHRCRPAHD
mIL3R_113-322	DGLEA	-QD	RCVHE	DRFUSCAHRCRPAHD
hcommGR_39-253	TTTTT	-TDS	SCVFN	DRYNGCTNSSSERQ
mcommGR_39-254	TTTTT	-TDS	SCVFN	DRYNGCTNSSSERQ
hTSLPR_30-216	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mTSLPR_27-217	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hLIFR_48-246	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mLIFR_47-241	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hLIFR_331-534	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mLIFR_326-529	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hOSMR_25-140	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mOSMR_25-139	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hOSMR_235-429	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mOSMR_232-426	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hIL7R_28-236	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mIL7R_28-236	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
domecyt1_115-330	KSKVY	-TDLR	NDQYD	DRYNGCTNSSSERQ
domecyt2_176-391	QSEHVCRV	-LNL	VCRDV	DRYNGCTNSSSERQ
consensus	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hGLMR	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mGLMR	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
mChirica_cedric	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
hCirica_ruler	TTTTT	-TDS	QY	DRYNGCTNSSSERQ
ruler	1.....10.....20.....30.....40.....50.....			

Figure 5A

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ETSPHEKSFRSRADC	DYOGDTIPDCVAKKR	QNNCSPEPR
EISITKSFKSRQNGOTO	GDSILLOCVTKD	QSHCCPVR
LVNTTIRRNED	LLEPVSCDLSDDMWSAC	FHRCVTRRCVTRG
LINNTYHQEK	KOPISECELSKLMWSECSSHRGVTRRCVTPY	
LINTLTHOLD	KIQSMCELSKLMWSECSSHRGVTRRCVTPY	
SVSQTFKYSPO	AGEZECSEPLRELG	SLNTRHCOEV
SVSQTFRFSN	VADEEKCISRVKEPPGAS	VTRYHCSNEV
SVSQTFRPSB	AAPKEKOSLWKEOAS	VTRYRCSEEV
ETNTPKSEPAT	HKFADCKAKRDT	TSCTEDY
ETNTPKSEPAT	EKFIDDCOSKHG	TSCMSY
NLNEQPTTRNTQ	WTQEWKECDIVSAC	ENSCYNS
TRESPOYAKRESQRQAARI	WTQEWKECDIVSAC	KNSCYNS
TESKSSRGSSD	WVTOGAATLSAERVRC	DNKEYEYSSCQEDSAC
KENIKSSSSPDS	RAVTOCMASLSAEKVTLQD	RDEKYSSCQEDVTC
EGNSSSSQED	EFWKLCLRLQOATARG	VRFWCSART
DFNDSSSSQED	ESRKSCSLBQABTVRC	SVRFWCSENT
TTKVLVLLRKFONSE	AEDFOEPQOYQSQESQ	KFSCQIAV
TEKVFURKINTTN	GKSDFOPOOCOYSSQQLK	SPSCOETI
SEEFLQIVFLLS	EAHTCIPENNCG	AGCVCHILM
SGOCHRRMFEPFS	ENLTCIPRNNS	TCVCVCHMEMN
ENNSTHRECG	TLMHECPNITCG	UNSCHEUK
ENNSTHRECG	KNTYECRDKITSG	PNSCFISK
ENNSTHRECG	ODNTCEEHTVCG	PHSCHOOK
ENNSTHRECG	ODNTCEEHTVCG	PHSCHOOK
ENNSTHRECG	WOKOCKEYCDY	LDPCINTP
ENNSTHRECG	COKOCPSDNQNLCN	RLDLAMNSH
PERLTSRKKTVLGASAR	RSWSTGHTCQDGL	ASRCVHIG
PERLTSRKKTLPGRV	SPSTGPQCPQDPLE	ASRCVHIG
PERLTSRKKTLPGRV	SPSTGPQCPQDPLE	ASRCVHIG
ENTNNTLLEGGS	KIMVCENDHALK	NRCHERY
ENTNNTLLEGGS	KIMVCENDHALK	NRCHERY
3DVSIITPREGMLAR	GHISWCLCOTETS	TSCTSTD
RSTSIIITPREGATO	QOSQCLQRSPQA	SRCTED
GTHQULAYRE	KPRACHLSSQSMEHFG	TRYVCOED
GTHQULAYRE	KPRACPLSSQSMEHFG	TRYVCOED
ESTTQTRHRSSLYCS	STPSINDSEHEDCYLQSD	GFEYCIPQ
EGSTTQTRHRSSLYCP	SPSINHHTSERKNCVLRD	GFEYCIPQ
ZNYKHLVLUVEVLE	DSHLPPOKHSFQMVHCNC	VHECCECLUPV
MDKHLHLDNEFVID	DSPLRKLDSFQTVQONCS	FRGECHHPVP
TLTHTDODQSEELK	DEATSCSLRSNAHNATH	ATYTCHMDV
ILSHTQDEEELQD	QETFCSLRSCHINTH	IWYTCHEIRLS
EFYHSRRCERDRY	IWENCEEEBKTNPGLOTH	QFSRCHEKS
EFRNSRRCERDRY	TWEKCEEEEPRFGSON	SLVSRCHKS
EFHQSOKYR	SNKTQTVVAG	RSWTAJPR
BVLHQSOXHP	NRVTEVKVBSK	QSWTJPR
SCQHWRDPDRRW	QTCPDPLBQSQASWACN	LICAPDS
TCHHFKSMERHHN	KTOPDTLQROASWACH	LIGSPPS
SSRLLIFTSNOAQG	ETHKCILRESECTVULP	REALVES
SSRLLIFTSNOVT	EIKHRCDFDSMCTLVLP	KEESTEP
VSHFRCOESSG	RCYJALMS	ATRCOISDQAG
VSHFRCOESSG	HTQDQERCYISSCP	DRTQSWBQ
DYNETSYWERSLEK	IHQCENTYREQ	YFEGSSEDLTK
DTHETTYWESLE	KSRQCENTYREQ	HIACSEKIKTK
DNNTFTEWEGLD	HALOCVDITKADGO	NICCRBY
DNNTFTEWEGLD	HALOCADLLOHDEK	NVGCKNSN
DNNTFTEWEGLD	WTEECOELSKDTLG	RNIACWEPRTF
DNNTFTEWEGLD	EKCOELSRDALN	RNTACWEPRTF
DVOEYHANNSKRR	REIRCPYLIQDSC	THVCHNDN
VRSSRULNSTG	HDVARCMADDD	VITOCHND
VOOQYHANNSKRR	QOYECIHLKTDACK	TRIPEDDIS
DVHHRFVRDVRLLC	AMRECCHHSLODVNTAG	PAPHGCHETDLDTVQEM
INNTTHHWRKVSNDN	DKVOKCSHLIFSEEIT	SISOCOK
INNTTHHWRKVSNDN	NTTOECSHLFSKEIT	SISOCOK
NETTHHWRNGDE	AYDOCTNLLQEG	HTSBLDAS
ANESSEPRACT	ALOCERELLSGAG	VTSQCLWA
EDSBCGCRNS	RSCYQBERTS	KBA
TVRDCKDRY	HSCHLTTN	KBA
DRATSTTVESSSKYVR	LKNEARHES	YQJLQOM
ERNUETTESTSOKS	AVFHREXHTNEYR	LSQCHI
ESKQHQSSTTFFESFS	GEKKLCTHIGWCN	NOCTO
ERKQRFQNTTCECSFS	KRCEVSNYRN	SYTQCTE
LEDESEGAIVE	VKCLNTRKLO	EISFET
LEDOQHMLR	VKCLTRKLO	DIEFKT
KINSENTNNDWR	YSNTLDCNFDSAP	VVTGNEDDN
MTHQZQARAKP	IDCRKSEEDERSRE	FVECSHEYD
INNTFPRSSLO	KIKECOLLSAGLG	RSRCHHPD
INNTFPRSSLO	EKHONCTTNSSTSEN	RASCSEFILE
TSITTTTNSYCKS	NYSDNATEASYSFK	RSCAMPY
IKSIXHKSLET	EECOOLASS	YVKISSEDS
TRVHHSKSLTE	EEQOQLTSS	YINSDDS

60 70 80 90 100 110 120

Figure 5A (cont)

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Figure 5A (cont)

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SGT KVS KTKS	ESYEQGQIRQQLKG AN TLVSH
SGT QOQEEQSE	LEHNOKCAREKORGE AS ALA
DH LIT SVLNSPOSHW	IVMKRLQDSWEDALALS
DR LIE SVSLEDAO SW SSKD	IAKRLQDSWEDASHT
DH LIE SVSLEDSO SW SSKD	IAKRLQDSWEDASHT
DS SERETNMR	QRKDTATWKDSKYET
DS SVHBTQOMY	QKKKSDSWEDSKEN
DS SVHETOKIR	QKKKSESWKDSKTELG
SICKT TNP SIK	SHIIKANQYRTKDAS THSQATE
SICKS VSS GLG	LDIJKSD QYRTKDAS THIQMLE
AD OVBEPARNND	IQKG MV EYQKEVNET KOKIMDR
GD OVSHPPEND	VLKGIIEQEVKEVNES KKVNGT
ROE SEYDTS	TFSFS T CQOQKSKR EICKDRAFT
SOVE SEYDOS	TFSFS K FTR QIKKEKMETEGCN
GH VVERLPDET	MTSH RYD SAGNC AGSHORCE
SHVVERLPDET	MTHRZD SAGNCUNG TQRVEVL
RWISSTRODEHSN	SSYRTRERARERSK TTTHM
RWIKUSWQHETHD	HSTYL QCGRREVWSK ET TVLLS
DTLINSNLYFHD	NL NH TMA NEWSENDM ADERION
DEL TNNWEVN	NL KD ISM N SREDNM AEIVN
BY W KASHPTLD	LHTRKEKAA E EIIFA
TY W KALENTID	EYTRKSEAD E EIEFT
DQ SURVSPRAK	DEFQ KYQ RURVEDSV D KVDD
DQ SURVSPRAK	DEFQ KYQ RURVEDSV D KVDD
SRCTEYNRDEG	LV LNRMRPPSNSRLWN VUNTK
SRGT QMEDEG	QV LNCQYQZLNSTSWN VINTN
RRE SITYASR	CQPFQ KERQYRAQH A STME
RRIH SITYASR	RQPFQ KERQYRAQH A STME
RRIH SITYASR	RQPFQ KERQYRAQH A STME
RRE TQOTST	DIESFQ KFTRPLILD QOHJELS
RRE TQOTST	DIESFQ KFTRPLILD QOHJELS
-QOQ QOEPLES	FTEFS KIWIYBICOGAA REHRV
QOQ QOEPLES	FTEFS KIWIYBICOGAA REHRV
GE QOQ SIEPAREIS	DLRHE RQOPROKNSTMTVOLHATECCPLW
GL KG SNEKPVDE	NN QONRAGLSKE VOLKMEVY
GL KG SNEKPVDE	NN QONRAGLSKE IQKTCHEV
GN KGS SSSPLH	FPIQ QUKI SENSTTVIREADKIVS
GN KGS SSSPLH	FPIQ QUKI SENSTTVIREADKIVS
GO QN SRSQDYEDP	FPOQYKLENSTIVREAEUVS
GRD SWSYDERS	QONRQDDEWAVSHRRKLIS
GRD SWSYDERS	QONRQDDEWAVSHRRKLIS
GR E EONGSSA	QETCY RYTCGHO D KVHEK
GR E EONGSSA	QETCY RYTCGHO D KVHEK
LE TTHAPTWPS	IKV ICGYHRCQBAAWTLEPELKT
LE TTHAPTWPS	OKA TCQRYKECOAEAWTRLEPQLK
HRQNSHEISOASH	FEERH ENTARTLSEGHTWEEZLT
ORCN SIKVSOVSH	LIBX ETRRRLIGHSWEDASVLSK
-HCIN TNSISRAET	MPLL SIAA KQEEAEWEQ YOHRDHIVN
-RCV TGINLA	LATS SIAA KQEEAEWEARHKDRIV
-QRM EMETEDNOV	AE QPRARTSSPWKLQDCEQDD
-QRD INVSEEING	AE QPRRMETTNWTLDCE YVNSCGSCW
DO YQWENPONIS	RCF EVNNSQTE THNYP YQEAKCENE
-AULQOKNPNER	SRC TAEVNNTQTDRHNL EEDKONSE
CE GRK SIELEGIP	RCF TAEVREDDTTLVATVEN
HD BREK STEGGIF	RCF TAEVREDDISWE SHTDKND
TRSE QEKVSEF	UHC UZKHNTRMCGYLOKEKMTY
-SY QO EIGLS	DHC NQK YNTKNGHIOKEKIAN
-HCL ROKERTQK	SYLD QODUHRIKNTQGTENLINVSG
-HCT SNAEHTMAS	TRD QODUHRIKNTQGTENLINVSG
-- FH KMLISHN	RK PZQ QKORMQVITQVRDR
-- HHRVVARNRSH	EGL GYT QNQSSBSERQYNSIS
-QEE NNRRFLNH	C ELL QRTDWHDHSWTEQS DYR
-QEE GRKSRHIKER	C QYL QRSNDRSWTELINH
-ACT ICSD TSYSD	LIE QRSFDTIEWQSKOENT
-DGT SKHADSY	DW QPRENDDEDAPQTISQ
ST YKNDRS	HRSN IYE KOLRKESMELVKLVHNTTN
ST YKNDRS	HRSN THE KOLQNRTERVLLV LNTMIS
-AUK SMLPQNAK	IN LCE EIKKNSVQEQRNTIKU
-V T SMLYGNIT	KIN LCKE EKANSKKEVERNATRE
QSE HCKTIVBNLY	QELKV QSIETSNVIEVNY
QEN NTETVPLAH	EELN IN E SRLNISNTIEVNY
-NAMT KVB SIRN	NFT LCG E HGEKMMQYNVSKVY
-K NMT KV SIRN	NYT LCG KQYEVIEHVSHMS
-DVS TNTSNLQK	YKVMID QAROEKDENKWHVNLS
-DIL TNAHLLICK	YKK KHD YARREARGESNWHVSLFH
-SCT S TEMPERRSN	YNRQVQDQUTQNFETTRSRNH
-OTC E NCFIEN	RT EEN QRRSKLENLSRNLTWSOMR
GRK K SNEPESSES	EDQK QURRGENDSWED QCVELD
-M QO E IKEL	VSSD QCTPRTVNSTSWMEVNAK
-M QO QKEREKTR	FVVCMI RRTVNSSRWTEVNNEN
-KHL Y KSKTMIEK	FCM RKTNNQTWSEKEDTN
-KTI Y DSQTT EK	SCM RKTNNQTWSEKEDTN
...190.....200.....	210.....220.....230.....

Figure 5B

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LNSSKDQE E CASH - QAVV T
 LEDEALQIE CGL - PATA T
 NTSQETGHEHMSST V
 SKFO INEDKLLENSI A
 SNEQNEPKLENSI A
 LQNAHS AIAAAT - ESTP W
 LDRAHS D SOSE - PDTS G
 RVNS D PODE - PDTS G
 DTASSTRSSTTODOK - PTTE V
 DTMSPERTSSTTODOK - PTTE V
 ILTTSPDYSOK - DKE E R
 IWLTYCAYSER - DKE E R
 DKTSAIVEC - RKN S S
 QKCAFVEKTSTEVOKCGNUG
 ILEGRTCECVSNR - GRTR T A
 EGRTECVSNR - GTR T A
 VKDLQHHCVHDHW - SELRV V O
 VAQXOCVHDHLR - DVK V O
 VTYLERSPRRAASTURGGIS P R R
 VTYKERSSTINI MSGVY T R
 OOTEAKLSTH - PGOK L O O
 GHOTQKFDY - PGOK L O O
 VSNOTSCRUAHK - PGTV F O O
 VSNOTSCREAGK - PGTV F O O
 AKGREDDDDK - PTTE E O O
 AKGKD D D D R - PTTE E O O
 AGLEEVITTDV - AGL A
 ILEEVITTDV - AGL A
 ILEEVITTDV - AGL A
 DGTAATVTDY - EKE H O O
 DGTAATVTDY - EKE H O O
 IEATS I RAR - PRAR Y O O
 IEATT T RNSK - PHAK C
 RPHS S VNGDPCOTWQDZGSESHEAHLTAEGSCLSGO VNS H
 MNEE E VNGDPCOTWQDZGSESHEAHLTAEGSCLSGO VNS H
 RAFFLTVKGGSCLSGQ - SKSW Q
 DAKSKS S LIVPDCAVVA Q
 DAKSKS S LIVSDCAVVA Q
 ATSLIDDSL - PGSS E O O
 ATSLIDDSL - PGSS E O O
 VDSRS S LPLEERKDSS E O O
 VDSRN S LDEEPIKDOSS E O O
 LGARGGTLER - URSR D O O
 LAGGGTLER - URAI S O O
 IBLTVEODK - PTC Q S C
 DGLTRVONDE - PTC Q S C
 QKOEWICLETETPTO E O O
 OROOWIFLEMPISTS E O O
 VTWVIDEAEPEDPFI E O O
 VTWVIDEAEPEDPFI E O O
 DTESCLCMENVAQE Q RR
 DIGSMSESCCTSE - NMAQE Q RR
 FERNVENTSCMVPSULDINT E
 SDRNMECTSCQLDCVLDAVI T R
 ETETKTTNETRQLC V R S
 MKLIRRANESE - OLC F R O
 AFISILODS - K D O O
 KFISKODDS - T S O O
 DLENRYNTTSE - PRAK S O O
 SETRAAFSEPARHGC K K
 TSTQBLNG - T T O O
 HWSKSGDOKRYTRRS
 EPRSSNSDOKRYTRRS
 CNFTIEGIDKKG S W
 PCCDTVOGDPEARD R
 KDTLHHS ASDMILECAT B
 KDTVQHNTSDLBLOCAT S S
 SVENSST ALDKNEYTA T R
 AEOSTHUAVKNEYTA T R
 SITMVKWNOVLEISNEKLECAT E R
 HTTVKREEAVRN TSDI LECV R
 SET SEVE - DATE M R
 ANLLSOD - PDTMKX F
 STKTLORKNOSAAME K
 TRTTDQRKFRKAMIE K
 LTIKDTLCLTELEFENYNT R
 AVSVDOVCNQNEPEHOL Y
 ATSETISDE - PGTS E R
 RKDIGNQTNLCTQFTE V A
 CKQVCNLTOOFTE V A
 FTYCOSE Y EEDSIO V O
 FTYCOSE Y EENIGV O

240 . . . 250 . . . 260 . . . 270 . . . 280 . . . 290 . . .

Figure 5B (cont)

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GIRSS	GGFGST	GCQGRTMKA
GIRWE	YHHSSE	SPPSSECTERA
IRLAEGS	RSGSHSK	SPELCHDSQG
IRLYPS	SISCRGR	SPELHDSDQG
IRLSAGS	SISCRGR	SPELHDSDQG
IRTSRIG	INLI	SEARSSTDSV
KELISM	ZDGI	SEEITKIDWV
KELISO	ZDTI	SEENETTIDWV
CMKED	GKGY	SEEKSCLIXEDR
3IKDS	GKGY	SEEKSCTTYEDR
SKORN	SUN	SEMYSTLEQMSOFTCEED
SRQRS	FEKS	SEQRRIQTNELCEED
QDRY	ISSS	SSIPCS
QDRY	NNSSCSKINACMCR	
IRMAED	SIGGESA	SERVSLTSD
IRMAED	SISCFSA	SEASLTSD
QEETG	QEE	STEAMGTWTE
KEELED	LQONSH	SPELTGTWIX
WAQC	NTT	SESHKHNNS
RSQI	TNT	SPSSTYNH
CIPDH	GYNSA	SPATFQIISD
CKEDH	YPER	COERSBEIND
CNEFTYIG	SKKAGIIS	SHPAASIERSE
CNEFTYIG	SKKA	SHDAASIERSE
SSKLHLY	KGSW	BESRFOPEEE
SSKLHLY	PERON	SESRTRTHEEE
SIRDFLD	AGT	TSERWGTESTG
SIRDFLD	AGT	ANSERWGTESTG
SIRDFLD	AST	ANDEWGTESTG
AKDNE	IGT	SPMSVSHETPWTEEPHMUTG
AKDNE	IGT	SPMSVSHETPWTEERHETTG
AODLTD	YGE	SPMSLPAATMSLGK
AODLTD	YGG	SLESCOMSASHKP
SEPOGIS	OGS	SILPTWDLPGDAY
SQDGVVS	HGS	SFPHTNLDAD
CKRLDG	LCY	SNPYTUVMDIKU
CBRLDG	LCY	SNPYTLVMDVKU
GRRLDG	PGL	STERVETTOD
SKRLDG	SGV	SSPOVTTQD
ICMPOS	SKQGT	SDPMILQTOSEE
AEOPGT	STCFT	SDPHLQTOAGE
RLNGT	YOGFSS	SDPTRESETATE
RLNGT	YQEW	SEPRVSTSESET
GRMEKE	EDLNG	SPETSTOTPSA
COVENG	YV	SPSUSPECTFLD
KPLQG	EFTT	SOPEARTKRA
KAQRNN	TC	SOPTTTRPAD
QMTALECHUVICK	ERT	SPQPCQAPQROG
QMTLESYADKVEGEYKSH	BT	SPQPCQAPQROG
OLISOG	SS	SKASSPUCNPE
RRLSSAR	GG	SPVSMPCNPE
TKTNKLCH	DDKIL	SPVSMQERSC
TKTNKLCH	DNKL	SPVSMQERSC
NIYCSO	DGI	SPVSDKOCREG
NIYCAD	DGI	SPVSEEECREG
AVSSMCR	EAGL	SPVSMQERSC
AVSSMCR	EM	SPVSMQERSC
ADVR	ILAN	SPVSMQERSC
GOTR	MKH	SPVSMQERSC
ARERVY	EF	SPVSMQERSC
SEVYRR	RSS	SPVSMQERSC
NELGGS	AQH	SPVSMQERSC
NELGGS	SQASIG	SPVSMQERSC
IKAMEDVYC	PDTY	SPVSMQERSC
SPRAAHYG	SEAOBS	SPVSMQERSC
GYIDNLHESG	LEE	SPVSMQERSC
WHIDSPEHSG	YKE	SPVSMQERSC
ESTET	FWK	SPVSMQERSC
OSSKT	FWK	SPVSMQERSC
SLVDDA	FEERN	SPVSMQERSC
LVDDT	BLQOSH	SPVSMQERSC
CADAS	FWK	SPVSMQERSC
CASAN	FWK	SPVSMQERSC
MRDRY	YKE	SPVSMQERSC
SIRHNDY	TKEM	SPVSMQERSC
IRAN	ONNELL	SPVSMQERSC
SRR	LHOSD	SPVSMQERSC
NPDSG	SGT	SPVSMQERSC
CAVRES	KG	SPVSMQERSC
BRINDS	RY	SPVSMQERSC
COETGK	RN	SPVSMQERSC
COETGK	RY	SPVSMQERSC

300 310 320 330 340 . . .

Figure 5B (cont)

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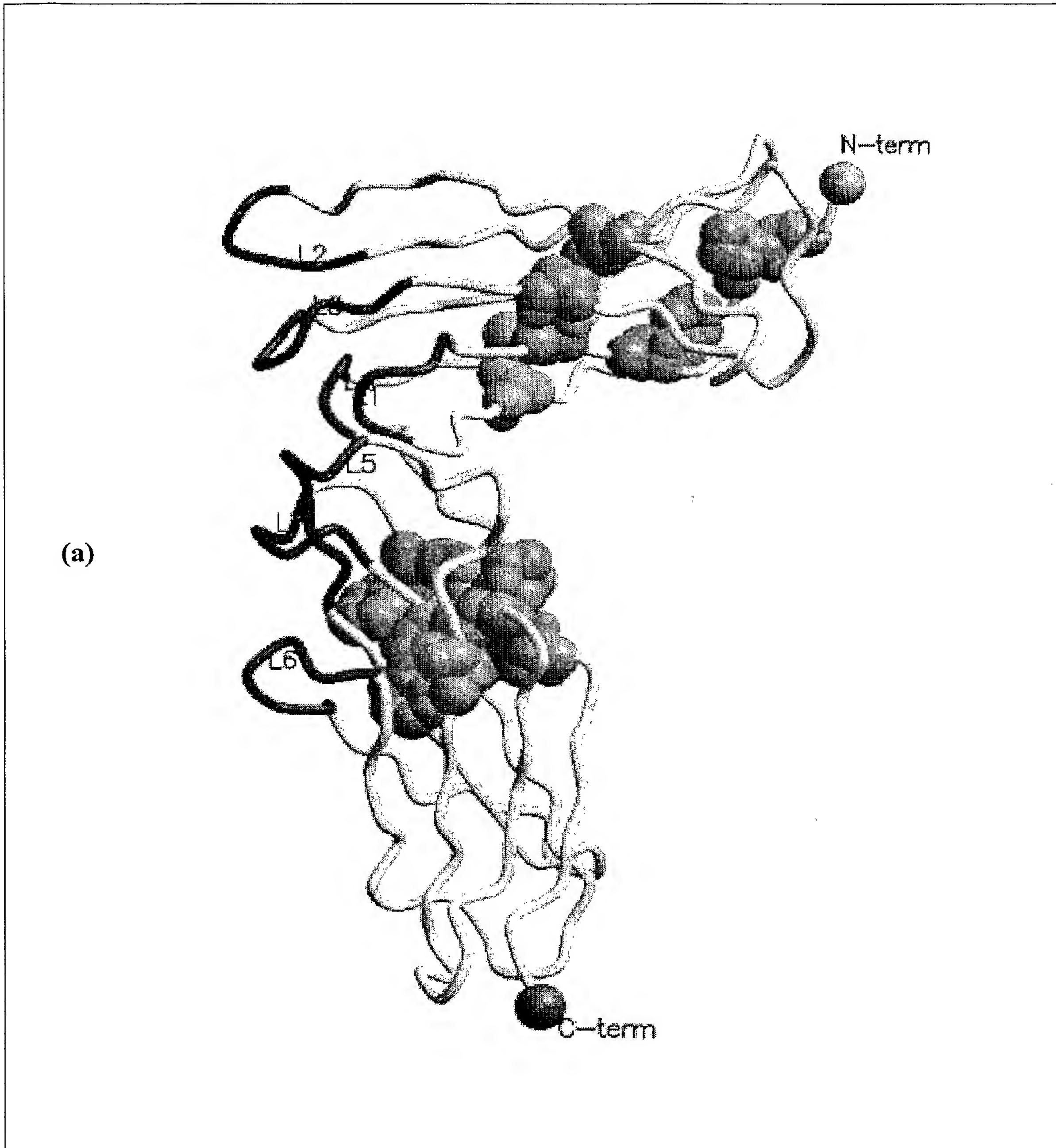


Figure 6(a)

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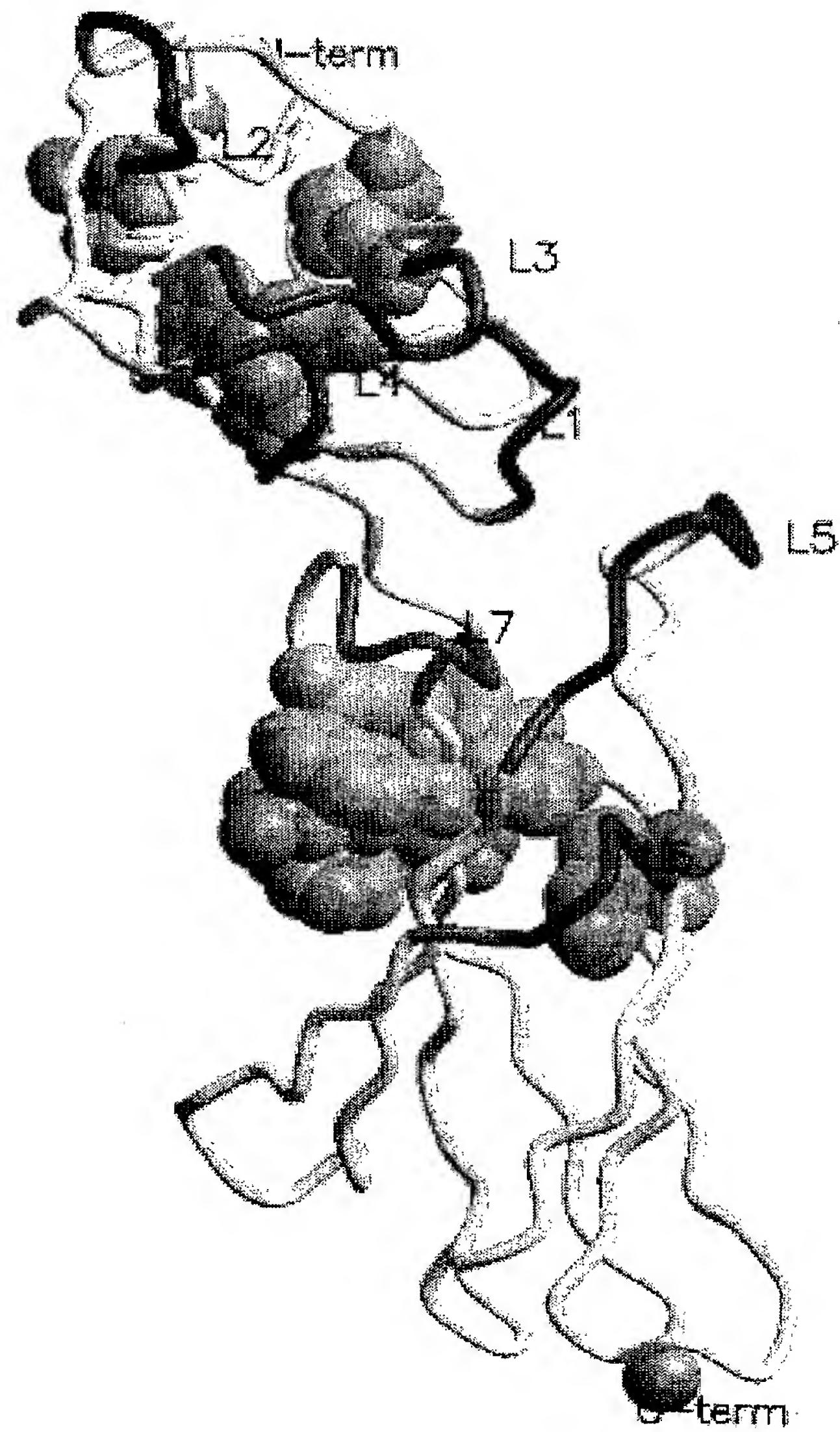


Figure 6(b)

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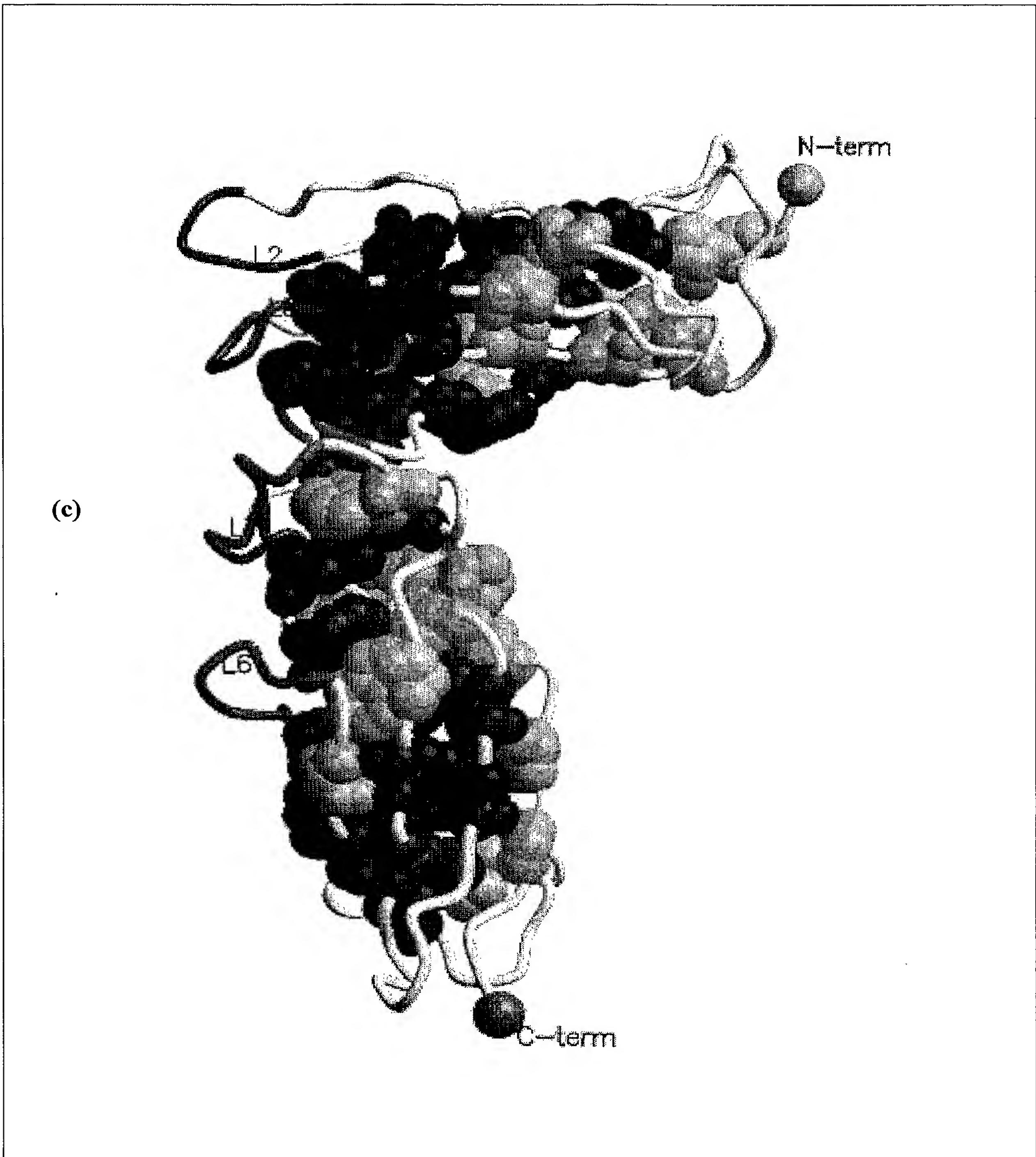


Figure 6(c)

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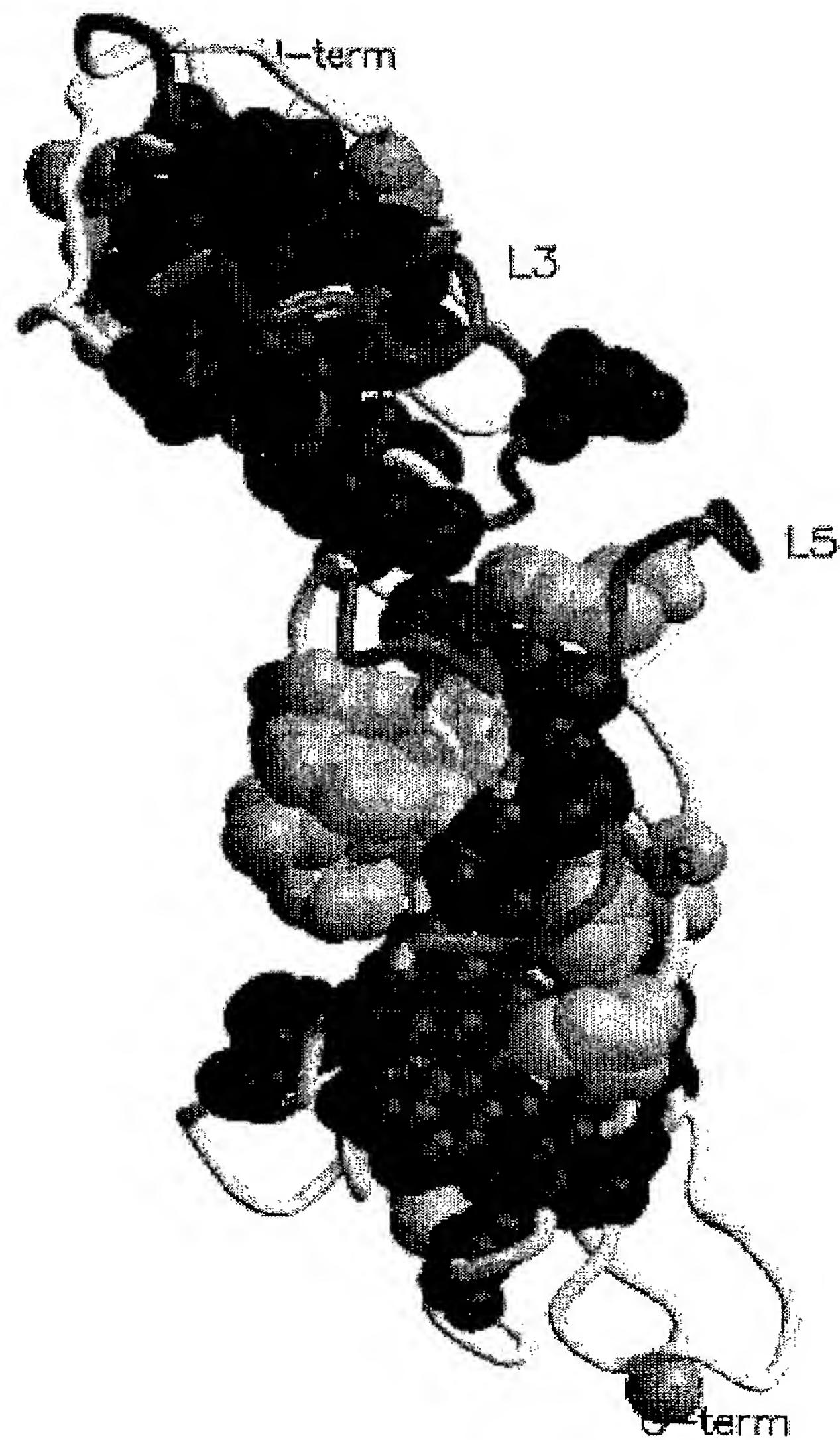


Figure 6(d)

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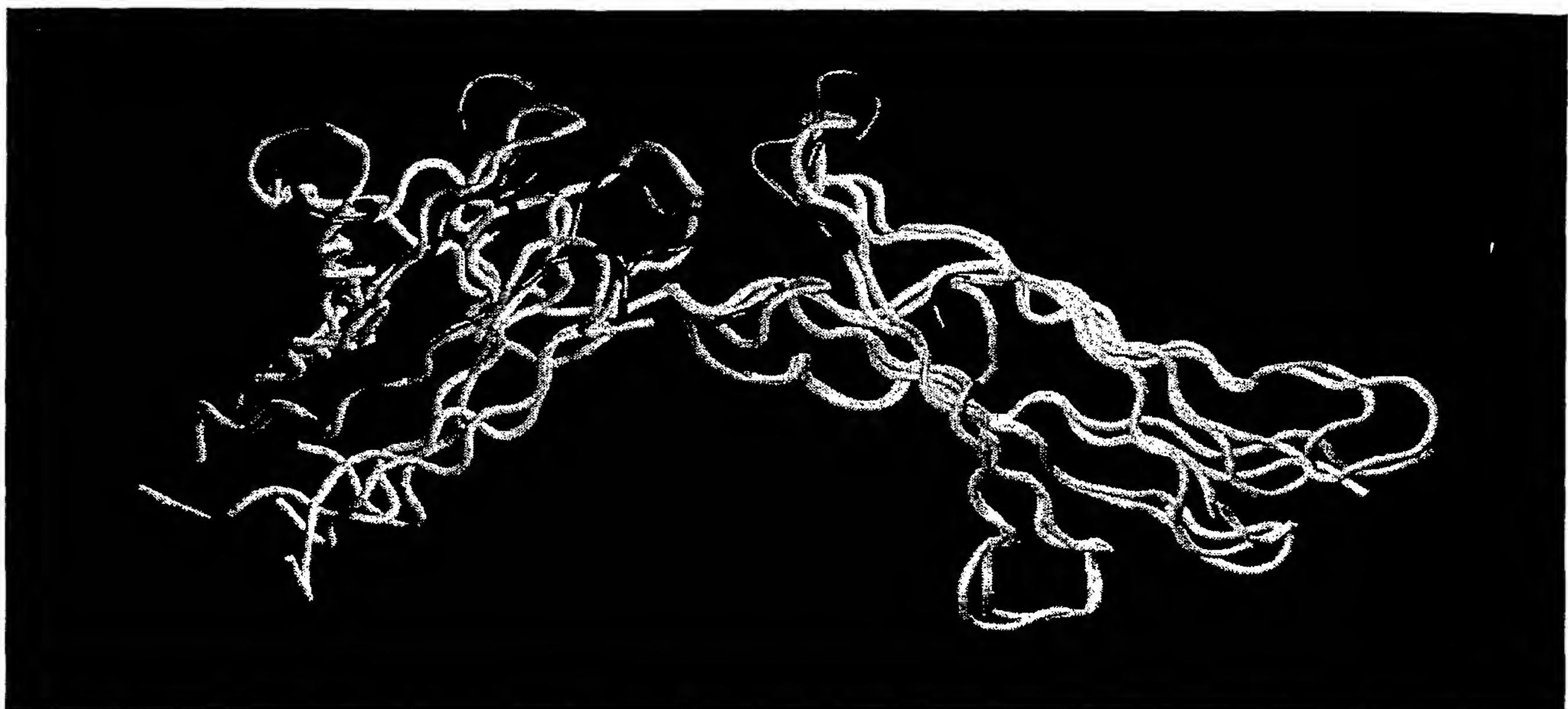


Figure 7